

Flight Scientist Report
Sunday 02/21/2021 ACTIVATE RF47

Flight Type: UC-12 only

Flight Route: KLFI KECG OXANA ONGOT ZIBUT ATLIC KLFI

Special Notes: Falcon down due to maintenance. Another excellent cold air outbreak day although we were a bit west of the strongest part of the CAO index. We tried to fly along the wind and still optimize angles for RSP.

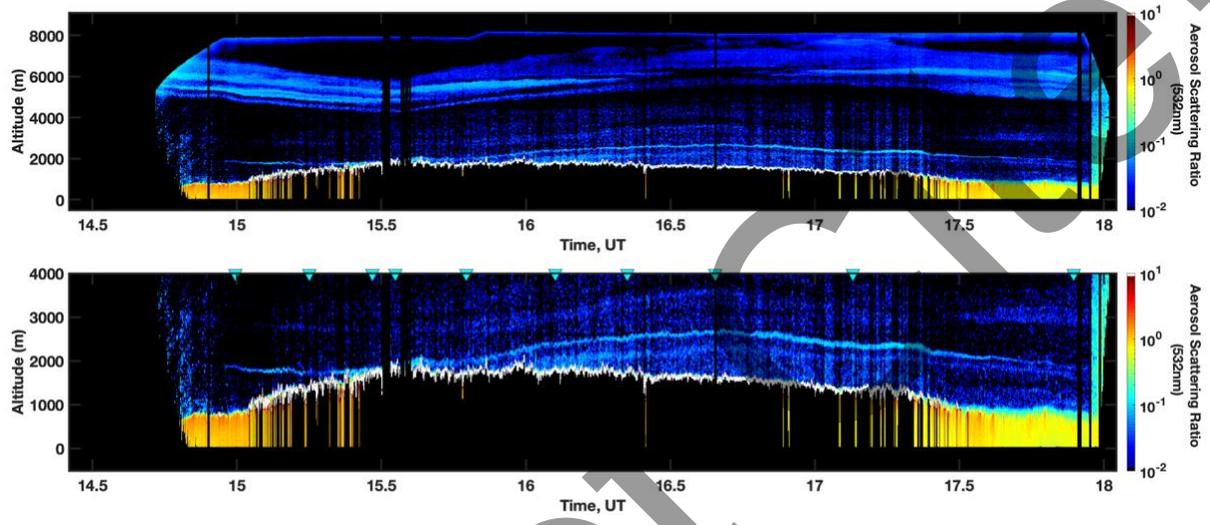
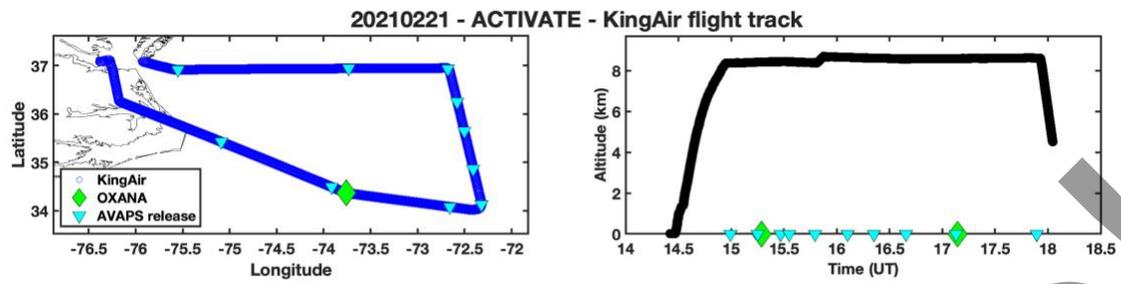
King Air

Pilot Report from Mike Wusk: Excellent Science day. Single ship UC12 only flight (HU25 down for electrical issues). Crew was Coldsnow, Wusk, Shingler, Seaman. Weekend airfield support was smooth and allowed for a 30 min early takeoff, land at 1330 as scheduled. No airspace issues airborne. Flight flown as planned ECG OXANA OGNUT ZIBUT ATLIC , FL270 just past shoreline. FL280 on North and West bound legs (~125 kt headwinds on WB leg). ~10 sondes dropped. Aircraft performed well. One minor squawk with Pilot's PTT. Aircraft Mx crew off Monday. 4 hour flight.

Taylor Shingler Flight Scientist Report: The UC12 flew south out of OXANA through AR8 and set up an upwind leg between ONGOT and ZIBUT and then returning to KLFI from ZIBUT. A nice transition from broken cells, to stratocu to clear near the coast was observed throughout the flight. A total of 10 sondes were dropped today, with 2 sondes dropped near the coast (one on the way out and one on the way in). All instruments were operating successfully today.

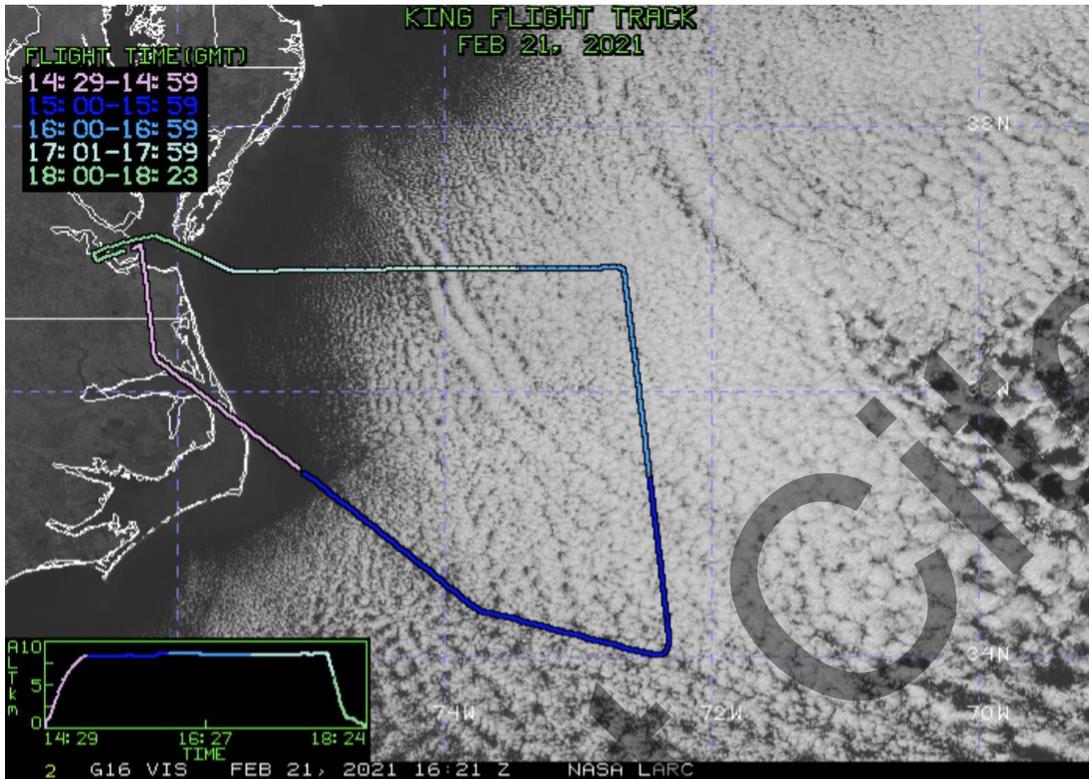
Falcon

Plane down due to maintenance

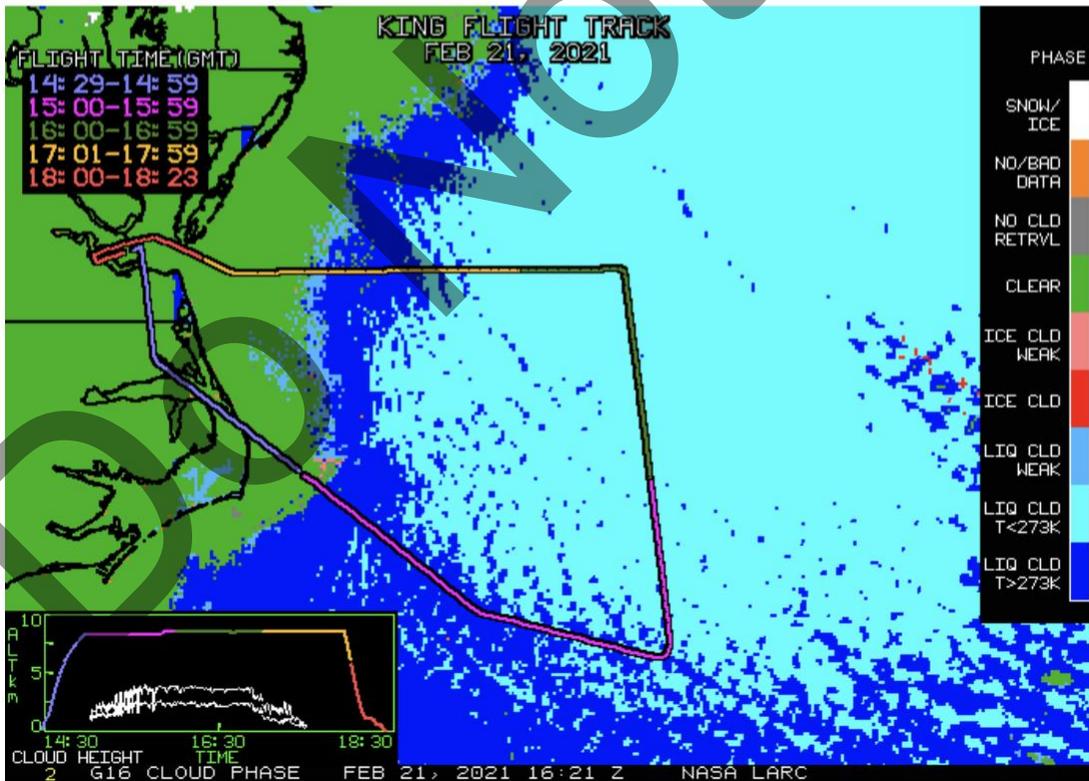


NASA-LaRC Clouds Group GOES-16 Quicklook Images for Flight 47, 16:21 UTC Feb 21, 2021

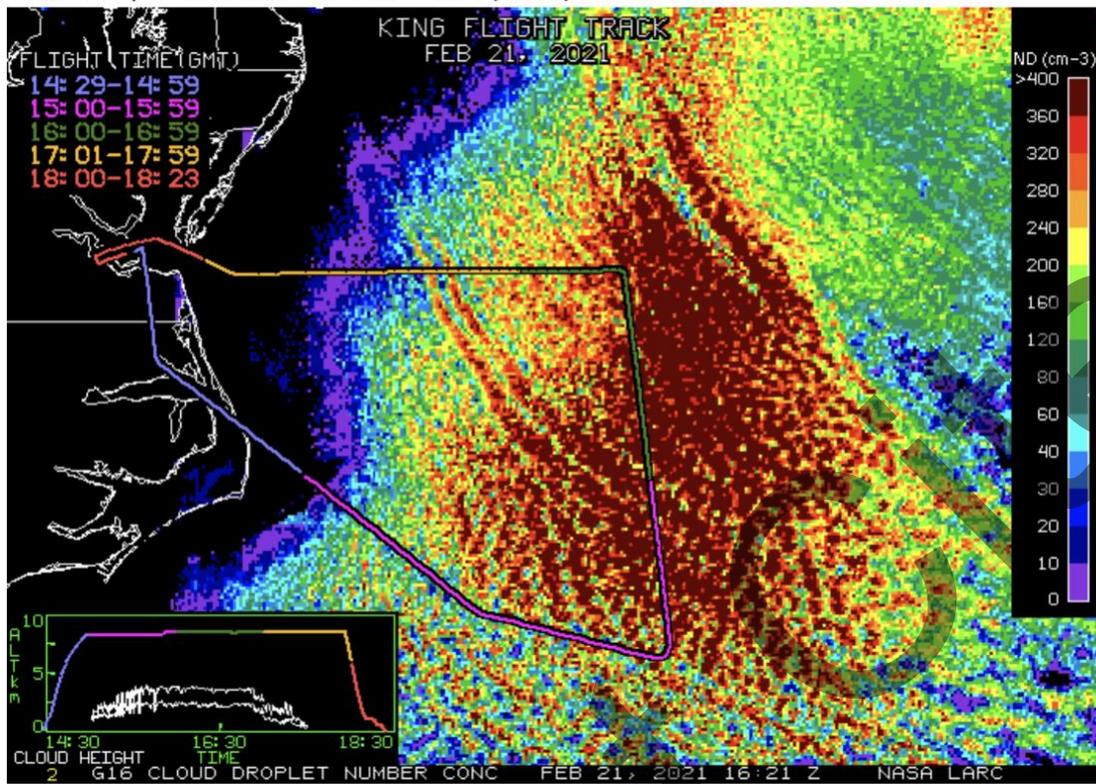
Visible Image



Cloud Phase



Cloud Droplet Number Concentration (cm-3)



Cloud-Top Height (Kft-ASL)

